
From: Solloway, Chris
To: Leinenbach, Peter
Sent: 7/9/2014 5:05:35 PM
Subject: RE: OR CZARA: Draft Landslide Review

OK, I have a meeting at noon so I'll have to call you around 10:30 PST if that's OK with you. Let me know if something comes up.... Thanks.

From: Leinenbach, Peter
Sent: Wednesday, July 9, 2014 4:58 PM
To: Solloway, Chris
Subject: RE: OR CZARA: Draft Landslide Review

Chris –

How about 10 am PST tomorrow (I could do anytime between 9 and 11 PST – I also could do the afternoon)

Peter

206 553 0524

From: Solloway, Chris
Sent: Wednesday, July 09, 2014 1:55 PM
To: Leinenbach, Peter
Subject: RE: OR CZARA: Draft Landslide Review

Hi Peter,

I tried calling around 1:30 PST, sorry to have missed you.

I'll try again tomorrow -- again, please let me know if there's an especially good time to connect. We can also set up a scheduled call time if that's easier....

Thanks.

Chris Solloway
202.566.1202

From: Leinenbach, Peter
Sent: Wednesday, July 9, 2014 3:23 PM
To: Solloway, Chris
Subject: RE: OR CZARA: Draft Landslide Review

Chris –

Any time in the next 3 hours

From: Solloway, Chris
Sent: Wednesday, July 09, 2014 10:42 AM
To: Leinenbach, Peter
Subject: FW: OR CZARA: Draft Landslide Review

Hi Peter,

I got your voice mail message this morning.

Regarding the NCASI paper, could you have it sent to Elizabeth Hiser at the address below?

I do want to discuss the other issue you brought up in your message re. level of effort needed for our review on landslides and roads comments. Is there a particularly good time to reach you this afternoon?

Thanks.

Chris Solloway
202.566.1202

From: Hiser, Elizabeth <Elizabeth.Hiser@tetrattech.com>
Sent: Wednesday, July 9, 2014 12:30 PM
To: Solloway, Chris
Cc: King, Amy
Subject: RE: OR CZARA: Draft Landslide Review

Chris that works for me. Ex. 6 - Personal Privacy

Elizabeth Hiser
1468 West 9th St. Suite 620
Cleveland, OH 44113

Thanks!

Elizabeth A. Hiser | Water Resources Scientist
Direct: 216.861.2950 x2 | Fax: 216.861.2960
elizabeth.hiser@tetrattech.com

Tetra Tech | Division
1468 West 9th St. Suite 620 | Cleveland, OH 44113 | www.tetrattech.com

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From: Solloway, Chris [<mailto:Solloway.Chris@epa.gov>]
Sent: Wednesday, July 09, 2014 12:25 PM
To: Hiser, Elizabeth
Cc: King, Amy
Subject: RE: OR CZARA: Draft Landslide Review

Hi Elizabeth,

Our Seattle regional office was able to track down a hard copy of the NCASI report. What would be the best way to provide it to you for inclusion? Could we send the report snail mail to you for scanning?

Thanks.

Chris Solloway
202.566.1202

From: Hiser, Elizabeth <Elizabeth.Hiser@tetrattech.com>
Sent: Monday, July 7, 2014 5:23 PM
To: Solloway, Chris

Cc: King, Amy

Subject: RE: OR CZARA: Draft Landslide Review

Thanks Chris,

Definitely let us know if you can track down those few references and we will see what we can dig up for citations on our end.

Elizabeth

Elizabeth A. Hiser | Water Resources Scientist

Direct: 216.861.2950 x2 | Fax: 216.861.2960

elizabeth.hiser@tetrattech.com

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1468 West 9th St. Suite 620 | Cleveland, OH 44113 | www.tetrattech.com

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From: Solloway, Chris [<mailto:Solloway.Chris@epa.gov>]

Sent: Monday, July 07, 2014 10:01 AM

To: Hiser, Elizabeth

Subject: RE: OR CZARA: Draft Landslide Review

Hi Elizabeth,

Ex. 6 - Personal Privacy

Regarding the WQ impacts citations, thanks for inquiring re. the scope as it is much more narrow than you might have initially thought. What I'm looking for would be studies or public data (eg., EPA 303/305 submittals) showing a correlation between forestry practices and water quality or designated use impacts within the Oregon coastal area. The more specific the linkage, the better. While I'm hoping there is some information linking WQ and forestry in coastal Oregon, information showing linkages between specific forest practices (landslide prone areas, road construction and use, riparian activities, etc...) would be even better! Hope this helps.

As for the references, I believe I can locate at least one of the personal communication citations and will see if one of my colleagues in our Seattle office is able to capture the NCASI document.

Thanks for your help!

Chris Solloway

US EPA

202.566.1202

From: Hiser, Elizabeth <Elizabeth.Hiser@tetrattech.com>

Sent: Monday, June 30, 2014 1:42 PM

To: Solloway, Chris

Subject: RE: OR CZARA: Draft Landslide Review

Hi Chris,

I'm helping out Amy King with addressing the landslide comments and we were wondering if we could follow up with you to get some specifics on what type of water quality impacts you want citations for. There is likely a wealth of information out there so if we can narrow down the search that would be helpful. I know Amy did a lot of work in Northern California where they were out in the field quantifying sediment loads and impacts from sediment sources which included landslides,

and many of the documents we already reviewed for this task have quantified water quality impact information, so I am sure we have what you are looking for, we just want to make sure we get you what you need. Feel free to drop me an email or give me a call to discuss: 216-861-2950 ext 102

I also wanted to follow up and let you know about the few references we haven't been able to find:

National Council for Air and Stream Improvement, Inc. (NCASI). 1985. Catalog of landslide inventories for the Northwest. Technical Bulletin 456. Research Triangle Park, NC. National Council for Air and Stream Improvement, Inc.

Doug Batemen. OSU. Personal communication.

Amanda Punton. 2006. Personal communication to Robert Baumgartner (Oregon state official). September 20, 2006.

We likely won't be able to track down the personal communications but if you have access to the NCASI bulletins that would be helpful (We cannot access them from their site: <http://www.ncasi.org/Programs/Reports-and-Articles/Technical-Bulletins-and-Special-Reports/Technical-Bulletins/Index.aspx>)

Thanks!
Elizabeth Hiser

Subject: RE: OR CZARA: Draft Landslide Review

Thanks Amy, the table was very useful for our call today and will be a great resource moving forward.

Please continue reviewing the OFIC references. Also, it would also be most helpful if you and your team were able to find citations specific to landslide-related water quality impacts (quantified, if possible). The NWEA and Oregon Wild submittals appear to contain some promising leads in that direction....

Thanks again!

Chris Solloway
202.566.1202

Elizabeth A. Hiser | Water Resources Scientist
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